

ABSTRACT OF THE DISCLOSURE

A system and method for identifying a failed storage device in a storage system comprising a plurality of storage devices connected by a ring-type network is disclosed. In one embodiment, when a storage device fails, all storage devices on the ring-type network are disconnected to re-establish communication on the ring-type network. An iterative process of connecting a subset of storage devices to the ring-type network and testing communication on the ring-type network is performed until communication on the ring-type network is re-established. Then, individual storage devices are connected to the ring-type communication until the connection of a storage device causes communication on the ring-type network to fail, thereby identifying the failed storage device. In another embodiment, devices in a reporting group are tested on a shelf-by-shelf basis.